

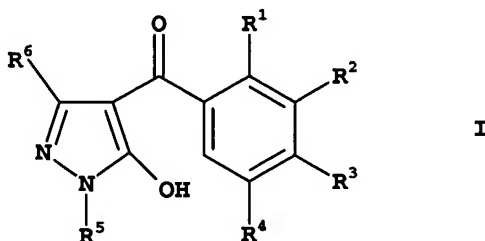
**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

We claim:

1. (Original) A synergistic herbicidal mixture comprising
  - A) at least one 3-heterocycl-yl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R<sup>1</sup>, R<sup>3</sup> are halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-haloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-haloalkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl or C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl;

R<sup>2</sup> is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy or C<sub>1</sub>-C<sub>4</sub>-alkylthio;

R<sup>4</sup> is hydrogen, halogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

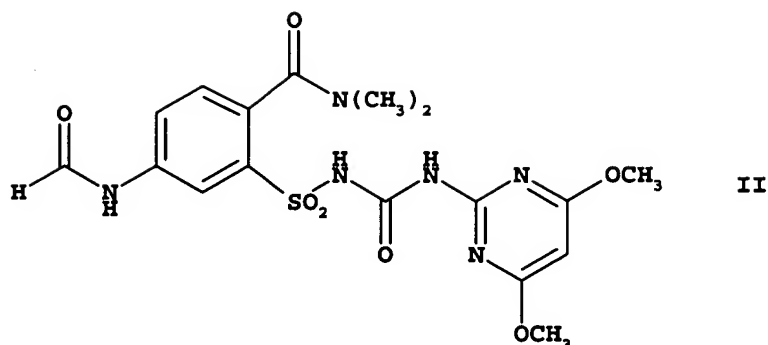
R<sup>5</sup> is C<sub>1</sub>-C<sub>6</sub>-alkyl;

R<sup>6</sup> is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

or one of its environmentally compatible salts;

and

- B) a synergistically effective amount of the compound of formula II



or one of its environmentally compatible salts;

and, if desired,

- C) at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors, enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides;

and, if desired,

- D) a safening effective amount of at least one safener selected from the group of isoxadifen, mefenpyr and fenclorazol;

or one of its environmentally compatible salts or esters.

2. (Original) A synergistic herbicidal mixture as claimed in claims 1, comprising, as component A), a 3-heterocyclyl-substituted benzoyl derivative of the formula I, where  $R^4$  is hydrogen.
3. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 2~~ claim 2, comprising, as component A), a 3-heterocyclyl-substituted benzoyl derivative of the formula I, where

$R^1$  is halogen,  $C_1$ - $C_6$ -alkyl or  $C_1$ - $C_6$ -alkylsulfonyl;

$R^3$  is halogen or  $C_1$ - $C_6$ -alkylsulfonyl.

4. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 3~~ claim 1, comprising, as component A), a 3-heterocyclyl-substituted benzoyl derivative of the formula I, where

$R^2$  is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-5-yl and 4,5-dihydroisoxazol-3-yl, it being possible for the three radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy or  $C_1$ - $C_4$ -alkylthio.

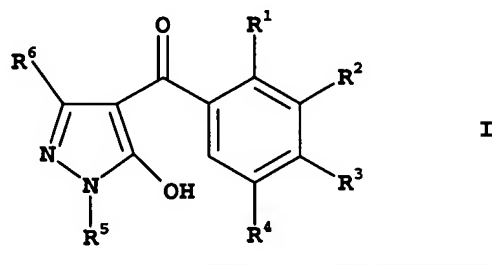
5. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 4~~ claim 4, comprising, as component A), a 3-heterocyclyl-substituted benzoyl derivative of the formula I, where

$R^2$  is isoxazol-5-yl, 3-methyl-isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 5-methyl-4,5-dihydroisoxazol-3-yl, 5-ethyl-4,5-dihydroisoxazol-3-yl or 4,5-dimethyl-4,5-dihydroisoxazol-3-yl.

6. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 5~~ claim 4, comprising, as component A), 4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

7. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 5~~ claim 4, comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

8. (Currently Amended) A synergistic herbicidal mixture ~~as claimed in any of claims 1 to 7, comprising, two active ingredients, a 3-heterocyclyl-substituted benzoyl derivative of the formula I (component A) as claimed in claims 1 to 7 and the compound of formula II (component B). A)~~ at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

$R^1$ ,  $R^3$  are halogen,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -haloalkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -haloalkoxy,  $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -alkylsulfinyl or  $C_1$ - $C_6$ -alkylsulfonyl;

R<sup>2</sup> is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy or C<sub>1</sub>-C<sub>4</sub>-alkylthio;

R<sup>4</sup> is hydrogen, halogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

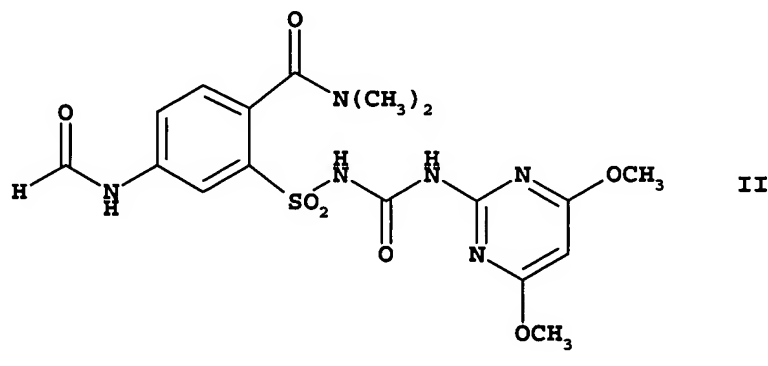
R<sup>5</sup> is C<sub>1</sub>-C<sub>6</sub>-alkyl;

R<sup>6</sup> is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

or one of its environmentally compatible salts;

and

B) a synergistically effective amount of the compound of formula II



or one of its environmentally compatible salts.

9. (Original) A synergistic herbicidal mixture as claimed in claim 8, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole and as component B) the compound of formula II.
10. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 7~~ claim 8, further comprising, ~~at least three active ingredients, a 3-heterocycl-yl-substituted benzoyl derivative of the formula I (component A) as claimed in claims 1 to 7, the compound of formula II (component B) and component C~~
- C) at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors,

enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides.

11. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 4 or 10 comprising, as component C), at least one herbicidal compound from the groups C1 to C16:

- C1 acetyl-CoA carboxylase inhibitors (ACC):  
cyclohexenone oxime ethers, phenoxyphenoxypropionic esters or arylaminopropionic acids;
- C2 acetolactate synthase inhibitors (ALS):  
imidazolinones, pyrimidyl ethers, sulfonamides or sulfonylureas;
- C3 amides;
- C4 auxin herbicides:  
pyridinecarboxylic acids, 2,4-D or benazolin;
- C5 auxin transport inhibitors;
- C6 carotenoid biosynthesis inhibitors;
- C7 enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS);
- C8 glutamine synthetase inhibitors;
- C9 lipid biosynthesis inhibitors:  
anilides, chloroacetanilides, thioureas, benfuresate or perfluidone;
- C10 mitosis inhibitors:  
carbamates, dinitroanilines, pyridines, butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;
- C11 protoporphyrinogen IX oxidase inhibitors:  
diphenyl ethers, oxadiazoles, cyclic imides or pyrazoles;
- C12 photosynthesis inhibitors;

propanil, pyridate, pyridafol, benzothiadiazinones, dinitrophenols, dipyridylenes, ureas, phenols, chloridazon, triazines, triazinones, uracils or biscarbamates;

C13 synergists:  
oxiranes;

C14 growth substances:  
aryloxyalkanoic acids, benzoic acids or quinolinecarboxylic acids;

C15 cell wall synthesis inhibitors:

C16 various other herbicides:  
dichloropropionic acids, dihydrobenzofurans, phenylacetic acids or aziprotryn, barban, bensulide, benzthiazuron, benzofluor, buminafos, buthidazole, buturon, cafenstrole, chlorbufam, chlorofenprop-methyl, chloroxuron, cinmethylin, cumyluron, cycluron, cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-ethyl, endothall, ethiozin, flucabazone, fluorbentranil, flupoxam, isocarbamid, isopropalin, karbutilate, mefluidide, monuron, napropamide, napropanilide, nitralin, oxaciclomefone, phenisopham, piperophos, procyzazine, profluralin, pyributicarb, secbumeton, sulfallate (CDEC), terbucarb, triazofenamide, triaziflam or trimeturon;

or their environmentally compatible salts.

12. (Currently Amended) A synergistic herbicidal mixture as claimed in claims 1 or 10, comprising, as component C), at least one herbicidal compound from the groups C1 to C16:

C1 acetyl-CoA carboxylase inhibitors (ACC):

- cyclohexenone oxime ethers:  
alloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim, butroxydim, clefoxydim or tepraloxym;
- phenoxyphenoxypropionic esters:  
clodinafop-propargyl (and, if appropriate, cloquintocet), cyhalofop-butyl, diclofop-methyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl, fenthiapropethyl, fluazifop-butyl, fluazifop-P-butyl, haloxyfop-ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, isoxapyrifop, propaquizafop, quizalofop-ethyl, quizalofop-P-ethyl or quizalofop-tefuryl; or
- arylaminopropionic acids:  
flamprop-methyl or flamprop-isopropyl;

C2 acetolactate synthase inhibitors (ALS):

- imidazolinones:  
imazapyr, imazaquin, imazamethabenz-methyl (imazame), imazamoc, imazapic, imazethapyr or imazamethapyr;
  - pyrimidyl ethers:  
pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127 or pyribenzoxym;
  - sulfonamides:  
florasulam, flumetsulam or metosulam; or
  - sulfonylureas:  
amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron, ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron, halosulfuron-methyl, imazosulfuron, metsulfuron-methyl, nicosulfuron, primisulfuron-methyl, prosulfuron, pyrazosulfuron-ethyl, rimsulfuron, sulfometuron-methyl, thifensulfuron-methyl, triasulfuron, tribenuron-methyl, triflusulfuron-methyl, N-[[[4-methoxy-6-(trifluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or iodosulfuron;
- C3 amides:
- allidochlor (CDAA), benzoylprop-ethyl, bromobutide, chlorthiamid, diphenamid, etobenzanid (benzchlomet), fluthiamide, fosamin or monalide;
- C4 auxin herbicides:
- pyridine carboxylic acids:
  - clopyralid or picloram; or
  - 2,4-D or benazolin;
- C5 auxin transport inhibitors:
- naptalame or diflufenzopyr;
- C6 carotenoid biosynthesis inhibitors:
- benzofenap, clomazone (dimethazone), diflufenican, fluorchloridone, fluridone, pyrazolynate, pyrazoxyfen, isoxaflutole, isoxachlortole, mesotrione, sulcotrione (chlormesulone), ketospiradox, flurtamone, norflurazon or amitrol;
- C7 enolpyruvylshikimate-3-phosphate synthase inhibitors (EPSPS):
- glyphosate or sulfosate;
- C8 glutamine synthetase inhibitors:
- bilanafos (bialaphos) or glufosinate-ammonium;

C9 lipid biosynthesis inhibitors:

- anilides:  
anilofos or mefenacet;
- chloroacetanilides:  
dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor, butenachlor, diethatyl-ethyl, dimethachlor, metazachlor, metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor, terbuchlor, thenylchlor or xylachlor;
- thioureas:  
butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb, molinate, pebulate, prosulfocarb, thiobencarb (benthicarb), tri-allate or vernolate;  
or
- benfuresate or perfluidone;

C10 mitosis inhibitors:

- carbamates:  
asulam, carbetamid, chlorpropham, orbencarb, pronamid (propyzamid), propham or tiocarbazil;
- dinitroanilines:  
benefin, butralin, dinitramin, ethalfluralin, fluchloralin, oryzalin, pendimethalin, prodiamine or trifluralin;
- pyridines:  
dithiopyr or thiazopyr; or
- butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;

C11 protoporphyrinogen IX oxidase inhibitors:

- diphenyl ethers:  
acifluorfen, acifluorfen-sodium, aclonifen, bifenox, chlornitrofen (CNP), ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen, furyloxyfen, lactofen, nitrofen, nitrofluorfen or oxyfluorfen;
- oxadiazoles:  
oxadiargyl or oxadiazon;
- cyclic imides:  
azafenidin, butafenacil, carfentrazone-ethyl, cinidon-ethyl, flumiclorac-pentyl, flumioxazin, flumipropyn, flupropacil, fluthiacet-methyl, sulfentrazone or thidiazimin; or
- pyrazoles:  
ET-751, JV 485 or nipyraclufen;

C12 photosynthesis inhibitors:

- propanil, pyridate or pyridafol;
- benzothiadiazinones:  
bentazone;

- dinitrophenols:  
bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;
- dipyridylenes:  
cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-dichloride;
- ureas:  
chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron, ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron, methabenzthiazuron, methazole, metobenzuron, metoxuron, monolinuron, neburon, siduron or tebuthiuron;
- phenols:  
bromoxynil or ioxynil;
- chloridazon;
- triazines:  
ametryn, atrazine, cyanazine, desmetryn, dimethamethryn, hexazinone, prometon, prometryn, propazine, simazine, simetryn, terbumeton, terbutryn, terbutylazine or trietazine;
- triazinones:  
metamitron or metribuzine;
- uracils:  
bromacil, lenacil or terbacil; or
- biscarbamates:  
desmedipham or phenmedipham;

## C13 synergists:

- oxiranes:  
tridiphan;

## C14 growth substances:

- aryloxyalkanoic acids:  
2,4-DB, clomeprop, dichlorprop, dichlorprop-P (2,4-DP-P), fluoroxypyr, MCPA, MCPB, mecoprop, mecoprop-P, or triclopyr;
- benzoic acids:  
chloramben or dicamba; or
- quinolinecarboxylic acids:  
quinclorac or quinmerac;

## C15 cell wall synthesis inhibitors:

- isoxaben or dichlobenil;

## C16 various other herbicides:

- dichloropropionic acids:  
dalapon;

- dihydrobenzofurans:  
ethofumesate;
- phenylacetic acids:  
chlorfenac (fenac); or
- aziprotryn, barban, bensulide, benzthiazuron, benzo-fluor, buminafos, buthidazole, buturon, cafenstrole, chlorbufam, chlorfenprop-methyl, chloroxuron, cin-methylin, cumyluron, cycluron, cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-ethyl, endothall, ethiozin, flucabazone, fluorbentrail, flupoxam, isocarbamid, isopropalin, karbutilate, mefluidide, monuron, napropamide, napropanilide, nitratin, oxaciclomefone, phenisopham, piperophos, procyazine, profluralin, pyributicarb, secbumeton, sulfallate (CDEC), terbucarb, triazofenamid, triaziflan or trimeturon;

or their environmentally compatible salts.

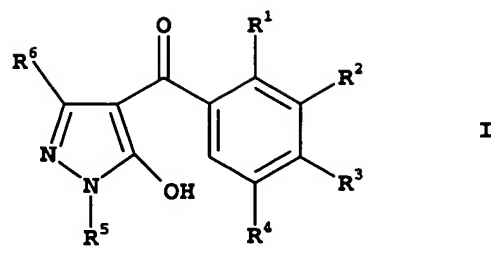
13. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~40~~ claim 12, ~~wherein comprising, as component C~~, at least one herbicidal compound of component C is from ~~the groups C2, C6 or C12 as defined in claim 12~~.
14. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~40~~ 11 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C2.
15. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~40~~ 11 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C6.
16. (Original) A synergistic herbicidal mixture as claimed in claim 10 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) isoxaflutole.
17. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~40~~ 11 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C12.

18. (Currently Amended) A synergistic herbicidal mixture as claimed in claim ~~40~~12 comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a triazine from group C12~~as defined in claim 12.~~
19. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 810, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) atrazine.
20. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 810, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) bentazone.
21. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 810, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) pyridate.
22. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 7~~ claim 8, further comprising component D, ~~at least three active ingredients, a 3-heterocyclyl-substituted benzoyl derivative of the formula I (component A) as claimed in claims 1 to 7, the compound of formula II (component B) and~~
  - D) a safening effective amount of at least one safener selected from the group of isoxadifen, mefenpyr and fenclorazol.
23. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 7~~ claim 22, further comprising component C, ~~at least three active ingredients, a 3-heterocyclyl-substituted benzoyl derivative of the formula I (component A) as claimed in claims 1 to 7, the compound of formula II (component B) and~~
  - C) at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors, enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors,

synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides; and

~~D) a safening effective amount of at least one safener selected from the group of isoxadifen, mefenpyr and fenchlorazot.~~

24. (Currently Amended) A synergistic herbicidal mixture as claimed in any of claims 1 to 23 claim 8, wherein component A) and B) are present in a weight ratio of 1:0.001 to 1:500.
25. (Currently Amended) A synergistic herbicidal mixture as claimed in any of claims 10 to 24 claim 10, wherein component A) and component C) are present in a weight ratio of 1:0.002 to 1:800.
26. (Currently Amended) A synergistic herbicidal mixture as claimed in any of claims 10 to 25 claim 22, wherein component A) and component D) are present in a weight ratio of 1:0.002 to 1:800.
27. (Currently Amended) A herbicidal composition comprising a herbicidally active amount of a synergistic herbicidal mixture ~~as claimed in any of claims 1 to 26 claim 1, and~~ at least one inert liquid and/or solid carrier therefor and, if desired, ~~at least one surfactant.~~
28. (Currently Amended) A process for the preparation of a herbicidal compositions ~~as claimed in of claim 27, comprising mixing together wherein component A); component B), if desired, component C), if desired, component D), and at least one inert liquid and/or solid carrier therefor and, if appropriate, a surfactant are mixed.~~
29. (Currently Amended) A method of controlling undesired vegetation, comprising applying simultaneously or separately to said vegetation, the environment of said vegetation and/or seeds of said vegetation~~which comprises applying a synergistic herbicidal mixture as claimed in any of claims 1 to 26 before, during and/or after the emergence of undesired plants, it being possible for the herbicidally active compounds of components A), B), if desired, C) and, if desired, D) to be applied simultaneously or in succession.~~  
A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R<sup>1</sup>, R<sup>3</sup> are halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-haloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-haloalkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl or C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl;

R<sup>2</sup> is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy or C<sub>1</sub>-C<sub>4</sub>-alkylthio;

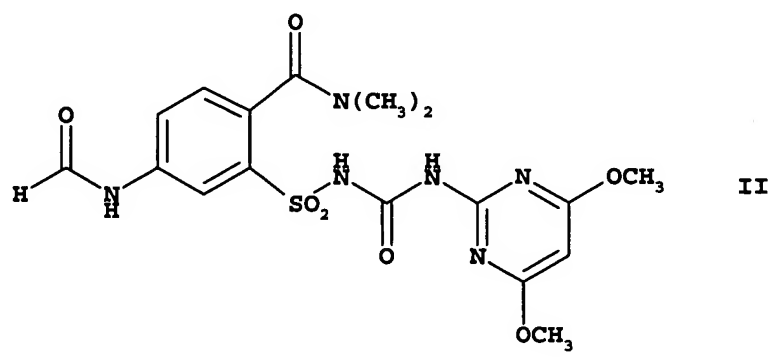
R<sup>4</sup> is hydrogen, halogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

R<sup>5</sup> is C<sub>1</sub>-C<sub>6</sub>-alkyl;

R<sup>6</sup> is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

or one of its environmentally compatible salts;

B) a synergistically effective amount of the compound of formula II



or one of its environmentally compatible salts;

and, if desired,

C) at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors, enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides;

and, if desired,

D) a safening effective amount of at least one safener selected from the group of isoxadifen, mefenpyr and fenchlorazol;

or one of its environmentally compatible salts or esters.

30. (Currently Amended) ~~The A-method of controlling undesired vegetation as claimed in claim 29, wherein the undesired vegetation is proximate crop plants, and the leaves of the crop plants and of the undesired plants are treated.~~
31. (New) The method of claim 21, wherein at least two of component A), component B), if desired component C), and if desired component D are applied in the form of a mixture.
32. (New) The method of claim 29, wherein the component A), B), if desired C) and if desired D) are applied separately.
33. (New) The composition of claim 27, wherein the composition further comprises at least one surfactant.